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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/661,448	09/13/2000	Muriel Roger	T2153-906593	7843

181 7590 05/05/2005

MILES & STOCKBRIDGE PC
1751 PINNACLE DRIVE
SUITE 500
MCLEAN, VA 22102-3833

EXAMINER

KIM, JUNG W

ART UNIT	PAPER NUMBER
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2132

DATE MAILED: 05/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Advisory Action
Before the Filing of an Appeal Brief**

Application No.

09/661,448

Applicant(s)

ROGER ET AL.

Examiner

Jung W. Kim

Art Unit

2132

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 13 April 2005 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. ☒ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

- (b) a) ☒ The period for reply expires 5 months from the mailing date of the final rejection.
b) ☒ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. ☐ The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because
(a) ☐ They raise new issues that would require further consideration and/or search (see NOTE below);
(b) ☐ They raise the issue of new matter (see NOTE below);
(c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
(d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
5. ☒ Applicant's reply has overcome the following rejection(s): 112 rejection to claims 9 and 16.
6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
7. ☒ For purposes of appeal, the proposed amendment(s): a) ☐ will not be entered, or b) ☒ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.
The status of the claim(s) is (or will be) as follows:
Claim(s) allowed: _____.
Claim(s) objected to: _____.
Claim(s) rejected: 8-22.
Claim(s) withdrawn from consideration: _____.

AFFIDAVIT OR OTHER EVIDENCE

8. ☐ The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).
9. ☐ The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).
10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

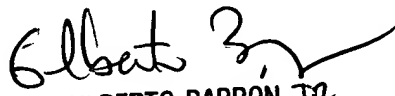
REQUEST FOR RECONSIDERATION/OTHER


11. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because:
See Continuation Sheet.
12. ☐ Note the attached Information Disclosure Statement(s). (PTO/SB/08 or PTO-1449) Paper No(s). _____.
13. ☐ Other: _____.

Continuation of 11. does NOT place the application in condition for allowance because: Regarding applicant's argument that the prior art of record in combination does not teach the limitations of the independent claims, examiner respectfully disagrees. The means of detecting security violations in a secure database by the use of Horn clauses to process the security risk of data is clearly presented by Thuraisingham. The issue at hand is what specifically are the operations using Horn clauses as taught by Thuraisingham. In answer to the question is the disclosure of Schoning. The Schoning prior art is an undergraduate text book that overviews conventional logical structures used by computer scientists. In it, it is shown that Horn clauses derives its expressive power by means of resolving a plurality of formulas to determine a condition of the plurality of formulas. Specifically taught are steps of storing positive Horn clauses in a stack of subformulas, storing in a table of clauses a representation of the negative clauses and the positive clauses (implied in functions $G := F$; and $F := \text{Res}(F)$) and a table of counters for storing a number of negative literals in each negative clause (implied in the repeat ... until loop is a counter to resolve the negative literals; see Schoning, pg. 30, definition of "resolvent"). Because of the preponderance of evidence in the prior art of record, the claimed invention is found to be obvious. Hence, counter to applicant's allegation that the motivations to combine is not taught, the following are explicitly found in the prior art of record:

- 1) motivation to combine Thuraisingham and Smaha (Thuraisingham clearly teaches using Knowledge/representation approaches to deal with inference type attacks to establish a more secure methodology, and therefore enhance the strategies of Smaha [Thuraisingham, col. 14:47-59]).
- 2) motivation to apply the teachings of Schoning so as to find a way for assigning and translating data/constraints to Horn clauses (Thuraisingham, col. 14:32-36).
- 3) Motivation to select and apply the teaching of Schoning to Smaha (Thuraisingham, col. 14:32-36).

Finally, applicant's bald assertion that the modification of Smaha by Thuraisingham and Schoning completely modifies and changes the principle operation of Smaha does not establish a rational as to how the modifications and changes render the prior art unsatisfactory for its intended purpose or how the modifications change the principle of operation of Smaha. MPEP 2143.01 Without such a rational, applicant's contention is insufficient.


GILBERTO BARRON JR.
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 5/3/05